SONY

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VAIO

VGN-CR31Z/N

Express your Style

Sparkling Sand - Gorgeous, Rich, Premium

VAIO Europe official website
http://www.vaio.eu/

VAIO Europe official website
http://www.vaiopro.eu/

KEY FEATURES

- 14.1" widescreen X-black LCD display for natural looking pictures
- Ready for entertainment with integrated 1.3 megapixel camera and AV-mode button
- High performance with Intel® Centrino® Duo and ATI® Mobility Radeon® graphics
- Multimedia freedom with Vista® Home Premium and Adobe® Photoshop® Elements

TECHNICAL SPECIFICATIONS

Operating System

Operating System	Genuine Windows Vista® Home Premium

Architecture

Platform	Intel® Centrino® processor technology
Chipset	Mobile Intel® PM965 Express Chipset

Colour

Cover colour	Sparkling Sand

CPU Section

Microprocessor Full Name	Intel® Core™2 Duo Processor T8300, Supports Enhanced Intel SpeedStep® Technology
Microprocessor Manufacturer	Intel®
Microprocessor Speed (GHz)	2.40
L2 Cache (KB)	3072 Advanced Smart Cache
Frontside Bus (MHz)	800
Number of Cores	2

Memory

Memory Speed (MHz)	667
Memory Type	DDR2 SDRAM (2x1024MB)
Max. Memory (MB)	4096
Max Memory Comment	In the case of 4GB, a portion of the system memory over 3GB might not be available to the operating system
Memory Size (MB)	2048

Drives

Optical Drive Type	DVD+-RW/+-R DL/RAM
Optical Drive Fitting	Built-in
Hard Drive Capacity (GB)	250
Hard Drive Speed (rpm)	5400
Hard Drive Type	Serial ATA

Drives Speed

Write	CD-R x24, CD-RW x16, DVD-R DL x4, DVD-R x8, DVD-RW x6, DVD+R DL x4, DVD+R x8, DVD+RW x8, DVD-RAM x5
Read	CD x24, CD-R x24, CD-RW x24, DVD x8, DVD-R DL x6, DVD-R x8, DVD-RW x6, DVD+R DL x6, DVD+R x8, DVD+RW x8, DVD-RAM x5

Display

Display Type	X-black LCD
Diagonal Size (in)	14.1
Resolution Format	1280 x 800
Resolution Type	WXGA

Graphics

Graphic Card Full Name	ATI® Mobility Radeon™ X2300
Producer	ATI®
Comments	Total Available Graphics Memory of 831MB

Interfaces

4 Pin i.LINK™ (IEEE1394), 400 Mbps	1
DC in	1
Memory Stick™ Slot	1
Memory Stick Slot Type	Memory Stick™ Std / Duo, Memory Stick™ PRO Std / Duo, high speed data transfer
SD Card Slot	1
Audio out	1
Audio out Type(s)	Stereo Headphones/Speakers Jack
Microphone Jack	1
RJ-11 Direct Port (Modem)	1
RJ-45 Direct Port (Network)	1
USB Speed	High/Full/Low
USB Port (quantity)	3
USB Version	2.0
USB Connector Type	A
VGA Connector for Monitor	1
TV out	1
TV out type	S-Video
Express Card Slot	1
Express Card Slot Type	34mm

Connectivity

Built-in Modem	V92/V.90
Integrated Wireless LAN	YES
Wireless LAN Max. Date Rate (Mbps)	300
Wireless LAN Range (m)	max. 100
Integrated Bluetooth (Version)	2.0 + EDR
Bluetooth Range (m)	10
Wireless LAN Type	802.11a/b/g/Draft n
Ethernet network	100 BASE-TX/10 BASE-T

Multimedia

Intel® High Definition Audio compatible	YES
Built-in Stereo Speakers	YES
Windows® Sound System Compatible	YES

Built-in Camera

Built-in 'Motion Eye' Digital Camera	YES
Frames per Second	30
Image Sensor (Mega Pixels)	1.3
Motion Picture Function	YES
Motion Pictures max. Resolution (pixels)	1280x800 (WXGA)

Keyboard Section

Touch Pad	1

Features

Special Buttons	Power button, Wireless switch, Short-cut Keys (S1) , AV buttons
Auto Resolution	Plug and Display
Intervideo InstantON	YES
Built in microphone	YES
Kensigton Lock	YES

Software

Audio	VAIO Music Box, Windows Media Player 11, SonicStage Mastering Studio 2.4
Video & TV	VAIO Content Importer / Exporter, WinDVD 8.0 for VAIO, DivX Player & Converter
Photo	Adobe Photoshop Elements 6, Google Picasa
CD-DVD Burning	Easy Media creator 9, Click to Disc/Editor, VAIO Movie Story
Office Application	Adobe® Reader® 8.1, Adobe Standard 8, Microsoft® Works 8.5, Microsoft® Office Trial 2007 (60 days Try & Buy)
Security & Other	Norton 360 (with 60 days free virus update), VAIO Recovery Utility 2.6 - HDD recovery (hidden partition), Skype, Google software package

Supplied Accessories

AC Adaptor	YES
Battery	YES
Power Cord	YES

Dimensions

Depth Main Unit (mm)	249
Height Main Unit (min - max in mm)	21 - 38.3
Width Main Unit (mm)	335.1
Weight with Supplied Battery and Supplied Drive (kg)	2.5

Battery

Battery Type	Lithium-Ion battery (VGP-BPS9S)
Battery Life (min)	190
Battery Charging Time (min)	220
Battery Life Disclaimer	Actual battery life will vary depending on your specific hardware and software configurations. Benchmark: MobileMark 2007

Guarantee

Months	12

OPTIONAL ACCESSORIES

Co-branded bag Mandarina Duck - Green Ladies bag

Ladies bags VAIO and Mandarina Duck co-branded

VGP-BPS9A/S

Rechargeable Battery

VGP-AC19V26

Sony VAIO® AC Adapter

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